Remarks

Claims 1-36 were pending in the subject application. By way of this amendment, claims 1, 2, 12, 14, and 23 have been amended. Accordingly, claims 1-36 are before the Examiner for consideration.

Claims 1-36 have been rejected under 35 USC §112. Claims 1 has been amended to now refer, in lines 3-4, to workpiece "an electrical cable having a center conductor and an outer insulation layer"; in line 7, to the same workpiece "the electrical cable"; in lines 8-9, to the same workpiece "the electrical cable"; and in line 12, to the same workpiece "the electrical cable". Claim 2 has been amended to now refer, in lines 5-6, to workpiece "a coaxial cable..., the coaxial cable having a center conductor enclosed in an inner insulation layer and a conductive sheath around the inner insulation layer and an outer insulation layer overlying the conductive sheath around the inner insulation layer and an outer insulation layer overlying the conductive sheath"; in lines 11-12, to the same workpiece "the coaxial cable"; in line 16, to the same workpiece "the coaxial cable"; and in line 17, to the same workpiece "the coaxial cable". The preamble of claim 12 refers, in line 1, to "an insulated electrical conductor", while claim 12, in lines 3-4, refers to workpiece "an insulated electrical conductor". Likewise, the preamble of claim 15, in lines 3-4, refers to workpiece "an insulated electrical conductor", while claim 15 in line 3, refers to workpiece "an insulated electrical conductor". Accordingly, the applicant respectfully requests reconsideration and withdrawal of the rejection of claims 1-36 under 35 USC §112.

In addition, claim 14 has been amended to correct a typographical error. Claim 23 has been amended to more clearly define the subject of the claimed invention.

Claims 1-21, 25, and 33-36 have been rejected under 35 USC §102 as being anticipated by Horak (U.S. Patent No. 3,744,007). The applicant respectfully traverses this grounds of rejection of claims 1-21, 25, and 33-36 under 35 USC §102. With respect to claim 1, and claims 2-11 which depend from claim 1, the Horak reference does not teach an electrical connector comprising a compression cap. With respect to claim 4, the Horak reference does not teach an electrical connector comprising a housing which includes an insulation plug terminating the bore therein. With respect to claim 5, the Horak reference does not teach a center aperture for supporting an electrical conductor insulated from the conductive housing. The Horak reference does not teach an

electrical conductor having a plug in accordance with the limitations of claims 6 and 7. With respect to claim 10 the Horak reference does not teach an electrical connector wherein the inner periphery of the housing and the outer periphery of the compression cap are cooperatively ridged and grooved to interlock in a longitudinal axial interference fit. With respect to claim 11, the Horak reference does not teach compression cap of deformable material and side wall of the compression cap is slotted between the point of interlock and the closed end thereof to deform radially toward the axis of the bore and to clamp onto the outer insulation layer of a coaxial cable.

With respect to claim 12, and claims 13-14 and 33-34 which depend from claim 12, the Horak reference does not teach a cap for insertion into the first end of the housing after the end of the insulated electrical conductor is inserted into the first end of the housing after the end of the insulated electrical conductor is inserted into the first end of the housing. Rather, the Horak reference, at col. 2, lines 39, teaches "an internal shoulder 12a is formed on the interior surface of the longitudinal bore and prevents the removal of cam sleeve **14** after it has been assembled with connecter **10**". Accordingly, cam sleeve **14** is not inserted into the housing after insertion of the insulated electrical conductor. With respect to claim 14, the Horak reference does not teach the limitation "wherein as said cap is inserted into the first end of said housing a beveled edge of said cap pushes the beveled edge of said at least one clamping arm . . .". With respect to claims 33-36, the Horak reference does not teach a cap adapted to be slideably pushed into said first end of said housing.

With respect to claim 15, and claims 16-32 and 35-36 which depend from claim 15, the Horak reference does not teach a cap for insertion into the first end of the housing after the end of the insulated electrical conductor is inserted into the first end of the housing. Rather, the Horak reference, at col. 2, lines 39-42, teaches "an internal should 12a is formed on the interior surface of the longitudinal bore and prevents the removal of cam sleeve **14** after is has been assembled with connector **10**". Accordingly, cam sleeve **14** is not inserted into the housing after insertion of the insulated electrical conductor. With respect to claim 19, the Horak reference does not teach at least one clamping arm which is integral with the housing. Rather, cam sleeve **14** is separate from housing **12**. With respect to claim 21, the Horak reference does not teach at least one clamping arm interacting with a beveled edge on the housing such as to cause the first end of said at least one clamping arm to penetrate the outer insulation layer. With respect to claim 25, the Horak references

does not teach a connector for receiving an insulated electrical conductor which has a portion of the inner insulation layer and center conductor protruding from an otherwise flush end.

Accordingly, as the Horak reference does not teach every limitation of the rejected claims, the applicant respectfully requests reconsideration and withdrawal of the rejection of claims 1-21, 25, and 33-36 under 35 USC §102.

Claim 22 has been rejected under 35 USC §103(a). Applicant respectfully traverses this ground for rejection. As discussed above with respect to claims 15 and 16, from which claim 22 depends, the Horak reference does not teach a cap for insertion into the first end of the housing after the end of the insulated electrical conductor is inserted into the first end of the housing. Rather, the Horak reference, at col. 2, lines 39-42, teaches "an internal should 12a is formed on the interior surface of the longitudinal bore and prevents the removal of cam sleeve **14** after is has been assembled with connector **10**". Accordingly, cam sleeve **14** is not inserted into the housing after insertion of the insulated electrical conductor. The Nikitas references does not cure this defect. Therefore, as neither the Horak nor the Nikitas references, alone or in combination, teach each element of claim 22, a *prima facie* case of obviousness has not been presented. Accordingly, applicant respectfully requests reconsideration and withdrawal of the rejection of claim 22 under 35 USC §103.

Attached hereto is a marked-up version of the changes made to the claims by the current amendment. The attached page is captioned "Version with markings to show changes made." Applicant submits that the specification and claims are now in proper form, and that this application is now in condition for allowance, which action is respectfully solicited.

The Commissioner is hereby authorized to charge any fees under 37 CFR 1.16 or 1.17 as required by this paper to Deposit Account 19-0065.

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Applicant invites the Examiner to call the undersigned if clarification is needed on any aspect of this response, or if the Examiner believes there remains any valid ground upon which any claim in this application may be rejected subsequent to entrance of this amendment.

Respectfully submitted,

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JSP/srp
Attachments: Petition and Fee for Extension of Time; Version With Markings to Show Changes Made.

VERSION WITH MARKINGS TO SHOW CHANGES MADE

In the claims:

Claim 1 (twice amended)

An electrical connector for coupling to an electrical cable having a center conductor and an outer insulation layer, comprising:

a housing having an axial bore therein with an inner periphery for receiving an electrical cable having a center conductor and an outer insulation layer;

an electrically conductive clamp in the bore of said housing at the inner periphery thereof, said electrically conductive clamp having a pointed end shaped and sized for driving into the outer insulated layer of [an] the electrical cable; and

a cylindrical compression cap with an end wall apertured to receive [an] the electrical cable in passage to said housing and a side wall sized for engaging the inner periphery of said housing and shaped at the open end of said side wall for engaging the pointed end of said electrically conductive clamp to drive the pointed end thereof toward the axis of the bore in said housing thereby to mechanically connect [an] the electrical cable to said housing.

Claim 2 (thrice amended)

An electrical connector for coupling to an electrical cable of the coaxial type having a center conductor enclosed in an inner insulation layer and a conductive sheath around the inner insulation layer and an outer insulation layer overlying the conductive sheath, comprising:

a housing having an axial bore therein with an inner periphery for receiving a coaxial cable in one end thereof, the coaxial cable having a center conductor enclosed in an inner insulation layer and a conductive sheath around the inner insulation layer and an outer insulation layer overlying the conductive sheath, said housing being electrically conductive;

an electrically conductive clamp in the bore of said housing and electrically connected to said housing at the inner periphery thereof, said electrically conductive clamp having a pointed end

shaped and sized for driving into the outer insulated layer of the coaxial cable to engage the conductive sheath thereof, and

a cylindrical compression cap having an end wall apertured to receive [a] the coaxial cable in passage to said electrically conductive housing and having a side wall with an outer periphery sized for engaging the inner periphery of said housing and shaped at an end of the side wall for engaging the pointed end of said electrically conductive clamp to drive the pointed end thereof toward the axis of the bore in said housing thereby to mechanically connect [a] the coaxial cable to said housing and to electrically connect the conductive sheath of [a] the coaxial cable to said housing through said conductive clamp.

Claim 14 (amended):

The electrical connector according to claim 12,

wherein the first end of said at least one clamping [are] arm has a beveled edge,

wherein as said cap is inserted into the first end of said housing a beveled edge of said cap pushes the beveled edge of said at least one clamping arm such as to cause the first end of said at least one clamping arm to penetrate into the outer insulation layer of the insulated conductor.

Claim 23 (amended):

The electrical connector according to claim 16, further comprising:

a beveled ring; and

a compression ring,

wherein inserting the cap into the first end of the housing causes the cap to push the compression ring such that the compression ring contacts and pushes said [a first beveled edge of the] beveled ring such that a [second] beveled edge of the beveled ring engages said at least one clamping arm causing the first end of said at least one clamping arm to penetrate the outer insulation layer and make electrical contact with the outer conductor of the insulated electrical conductor.